STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
A.	BRST0-I022-00(0I0)	142	228

BRIDGE CONSISTS OF

2 - 77'-0" TYPE II PSC BEAM SPANS SPE	CIAL DESIGN
I - 140'-0" BULB TEE, 74 IN, PSC BEAM SPAN SPE	CIAL DESIGN
2 - STEEL H PILE END BENTS SPE	CIAL DESIGN
2 - CONCRETE INTERMEDIATE BENTS SPE	CIAL DESIGN
4 - END POST AND GUARDRAIL ATTACHMENT DETAIL GA. STD. 305 (L = 4'-0"; W = 1'-1"; H = 2'-8")	34 (9-30-02)
BAR BENDING DETAILS GA. STD.	3901 (8-69)
TYPICAL FILL DETAIL AT END OF BRIDGE GA. STD.	9037 (9-99)

DRAINAGE DATA

DRAINAGE AREA ----- 477 SQ MILES

FLOOD F	FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50	YEAR	29000 CFS	8.II FPS	3577 SQ FT	0.74 FT
100	YEAR	33200 CFS	8.64 FPS	3841 SQ FT	0.98 FT
500	YEAR	43800 CFS	9.93 FPS	4417 SQ FT	1.66 FT

TRAFFIC DATA

TRAFFIC ADT = 7,700 (2 ADT = 12,000 (2		
DESIGN SPEED 55	5 MP	Ή
TRUCKS	8.5	%
24 HR TRUCKS	13	%
DIRECTIONAL	60	%

UTILITIES

GENERAL NOTES

- △SPECIFICATIONS GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION, AS MODIFED AS MODIFIED BY CONTRACT DOCUMENTS.
- REINFORCING STEEL PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.
- CHAMFER CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.
- TEMPORARY SHORING INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.
- TRAFFIC CONTROLS SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.
- EXISTING BRIDGE PLANS ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY SUBMITTING A REQUEST ON THE GEORGIA DOT WEBSITE AT:
 - HTTP://WWW.DOT.GA.GOV/DOINGBUSINESS/RESEARCH/PAGES/ROADDESIGNSEARCH.ASPX
 - THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER BA(4)PR604(10).
- WAITING PERIOD NONE REQUIRED.
- PLAN DRIVING OBJECTIVE SEE SUBSTRUCTURE DETAILS.
- PILE POINTS REINFORCE ALL PILE TIPS AT BENT I IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATION.
- DRIVING DATA PILES ONE DRIVING DATA PILE SHALL BE REQUIRED AT BENT 4.
- SMOOTH DOWEL BARS PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.
- WATER/SEWER MAIN HANGERS PIPE ROLL SUPPORT ASSEMBLIES AND KEEPER STRAPS SHALL BE FURNISHED AND INSTALLED BY THE UTILITY OWNER. FURNISH AND INSTALL ALL OTHER COMPONENTS OF HANGER ASSEMBLIES AND INCLUDE THE COST IN THE OVERALL BID SUBMITTED.
- STANDARD PLAN MODIFICATION MODIFY THE APPROACH SLAB STANDARD TO INCREASE THE 3/4" EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST AND END POST TO 1 1/2" AT BENT 1. SEE ROADWAY PLANS FOR APPROACH SLAB PAYMENT.
- GROOVED CONCRETE GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.
- HIGH PERFORMANCE CONCRETE (HPC) PRESTRESSED CONCRETE BEAMS FOR SPAN 2 OF THIS BRIDGE UTILIZE HIGH PERFORMANCE CONCRETE. SPECIAL REQUIREMENTS ARE REQUIRED AS DETAILED IN SPECIAL PROVISION SECTIONS 500 AND 865. HPC BEAMS WILL BE PAID FOR AS "PSC BEAMS".
- WELDING ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.
- SALVAGE MATERIAL NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.
- INCIDENTAL ITEMS INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

DESIGN DATA

SPECIFICATIONS
TYPICAL HS20-44 AND/OR MILITARY LOADING IMPACT ALLOWED
FUTURE PAVING ALLOWANCE 30 LBS PER SQ FT
CONCRETE: SUPERSTRUCTURE
REINFORCEMENT STEEL: GRADE 60, fy = 60,000 PSI
PRETENSIONING STRANDS: f's = 270,000 PSI
STEEL H-PILES: fy = 36,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
TOTIBLIT	<u> </u>	<u> </u>	1. / \ 1
500-0100	1241	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - I (411)
500-2100	576	LF	CONCRETE BARRIER
500-3002	160	CY	CLASS AA CONCRETE
507-9003	758	LF	PSC BEAMS, AASHTO TYPE III, BR NO - I
507-9033	697	LF	PSC BEAMS, AASHTO, BULB TEE, 74 IN, BR NO -
511-1000	26870	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (93658)
520-0573	7	EA	H-PILE POINTS, HP 14 X 73
520-1147	510	LF	PILING IN PLACE, STEEL H, HP 14 X 73
520-4147	1	EA	LOAD TEST, STEEL H, HP 14 X 73 (IF REQD)
524-0010	116	LF	DRILLED CAISSON - 54 IN
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 27+00
603-2024	1035	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1035	SY	PLASTIC FILTER FABRIC

BRIDGE NO. I

